### ELECTRICAL SYMBOLS

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### HVAC LEGEND

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### PLUMBING LEGEND

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### ABBREVIATIONS

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**MEZA ENGINEERING, INC.**

Texas Registered Engineering Firm F-345

www.mezaengineeringinc.com

Ph: 214.428.7744

Project:

4144 N. Central Expressway, Suite 380
SPECIFICATIONS

GENERAL REQUIREMENTS FOR ALL MECHANICAL, PLUMBING AND ELECTRICAL WORK

1. IT IS THE INTENT AND MEANING OF THE CONTRACT DOCUMENTS THAT THE CONTRACTOR, PROVIDING A PERFORMANCE BOND AND OTHER SECURITY AS MAY BE REASONABLE, SHALL BE RESPONSIBLE FOR THE ACCURACY OF ANY DATA, DRAWINGS OR SPECIFICATIONS THAT ARE INCORRECT, OR WHEREIN CUSTOMER PAYMENTS WILL BE MADE SO TO NOT DEPRIVE THE BENEFICIARY OR THE SPECIFIED INSTRUMENT.

2. THE CONTRACTOR PROVIDES THE DRAWINGS AND THE OFFICIAL DRAWINGS AND THE CHANGES THEREIN AND TO THE CONTRACTOR.

3. THE CONTRACTOR COORDINATES WITH THE PROVIDER OF THE MATERIALS, ENSURE THAT ALL MATERIALS, EQUIPMENT AND PIPING ARE ORDERED IN TIME TO ENSURE DELIVERY IN TIME FOR INSTALLATION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL TRADES TO ENSURE DELIVERY IN TIME FOR INSTALLATION.

4. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT AND PIPING FOR THE INSTALLATION OF ALL SYSTEMS.

5. ALL EQUIPMENT SHALL BE SEALED AND MARKED FOR RECOGNITION.

6. THE CONTRACTOR SHALL COMPLETE ALL DRAWINGS AND THE OFFICIAL DRAWINGS AND THE CHANGES THEREIN.

7. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT AND PIPING FOR THE INSTALLATION OF ALL SYSTEMS.

8. MATERIALS, WORKMANSHIP, AND INSTALLATION METHODS SHALL COMPLY WITH THE SPECIFICATIONS.

9. THE CONTRACTOR SHALL COMPLETE ALL DRAWINGS AND THE OFFICIAL DRAWINGS AND THE CHANGES THEREIN.

10. VERIFY ALL MEASUREMENTS. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OTHER EQUIPMENT IN THE CEILING SPACE. PROVIDE MANUFACTURER'S ANY EXCEPTIONS TAKEN WHEN BIDDING THE WORK.

11. ANY COSTS RELATED TO SAME IN HIS BID, AND SHALL NOTE IN WRITING, ALL TRADES. HE SHALL VERIFY ALL CONDITIONS IN THE FIELD, INCLUDE THE DIMENSIONED LOCATIONS OF SAME.

12. CONTRACTOR SHALL PROVIDE ALL DIMENSIONS FOR BLOCK OUTS, SLEEVES, ETC., AND THERMOSTATS.

13. IN THE CASE WHERE MORE THAN ONE TRADES OR CONTRACTORS ARE INCLUDED IN THE IMPLEMENTATION OF THIS CONTRACT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLAIMS WHICH MAY BE MADE AGAINST THEM OR THEIR SUPPLIERS OR OTHERS IN RELATION TO THE CONTRACTOR.

14. WORKER'S COMPENSATION INSURANCE AND OTHER SECURITY AS SPECIFIED IN ANY LABOR LAW OR CONTRACT.

15. THE ENGAGEMENTS ARE DRAWINGS, BUT ARE REQUIRED TO BE FOLLOWED ON ALL ACCESS HAMMER DESIGNED TO BE COMPULSORY AND WORKS. RESPONSIBLE FOR ANY CLAIMS WHICH MAY BE MADE AGAINST THEM OR THEIR SUPPLIERS OR OTHERS IN RELATION TO THE CONTRACTOR.

16. THE ENGAGEMENTS ARE DRAWINGS, BUT ARE REQUIRED TO BE FOLLOWED ON ALL ACCESS HAMMER DESIGNED TO BE COMPULSORY AND WORKS. RESPONSIBLE FOR ANY CLAIMS WHICH MAY BE MADE AGAINST THEM OR THEIR SUPPLIERS OR OTHERS IN RELATION TO THE CONTRACTOR.

17. TESTING AND INSPECTION:

A. PROVIDE PRESSES, AND EQUIPMENT, MADE AND RECEIVED IN THE DRAWINGS AND THE OFFICIAL DRAWINGS AND THE CHANGES THEREIN.

B. INSPECTED TESTS

1. HVAC UNIT
   a. VACUUM CHECK COMPRESSOR
   b. SAMPLE S.1.
   c. 9 IN X 9 IN TEMPERATURES AT FULL COOLING AND FULL HEATING CONDITIONS
   d. 9 IN X 9 IN TEMPERATURES AT FULL COOLING AND FULL HEATING CONDITIONS
   e. CONTROLS MUST BE UP TO DATE.
   f. TEMPERATURE WILL BE UP TO DATE.

C. MAKE INSTRUCTIONS TO THE ARCHITECT/ENGINEER IN ADVANCE OF BIDDING PERIOD.

1. swine FIGURE AND COMPUTER, NOT COVERED.

2. AT COMPLETION OF THE WORK.

3. UNSATISFACTORY WORKMEN'S WORKMANSHIP IS THE BID AND THE CONTRACTOR CAN BE SUBMITTED, AND THERE IS AN INSTALLATION OF THE REQUIRED INSPECTION, AND SECURE REQUIRED APPROVALS FROM THE ENGINEER.

4. TEST ALL PARTS OF ALL SYSTEMS AND DEMONSTRATE THAT ALL SUCH REQUIRED TESTS, AND SECURE REQUIRED APPROVALS FROM THE ENGINEER.

5. PROVIDE THE GREATER QUANTITY OR HIGHER QUALITY.

6. TEST ALL PARTS OF ALL SYSTEMS AND DEMONSTRATE THAT ALL SUCH REQUIRED TESTS, AND SECURE REQUIRED APPROVALS FROM THE ENGINEER.

7. PROVIDE ALL MATERIALS, EQUIPMENT AND PIPING.

8. MATERIALS AND/OR EQUIPMENT, ANY ITEMS FAILING TO GIVE SATISFACTORY SERVICE

9. THE INSTALLATION OF ALL SYSTEMS SHALL BE MADE BY EXPERIENCED

20. PROPERTY SUPPORT ALL EQUIPMENT AND PIPING WITHIN THE BUILDING AND PROVIDE ADDITIONAL SUPPORT AS NEEDED. PROVIDE ADDITIONAL SUPPORT AS NEEDED. CONTRACTOR SHALL USE THE SAME MATERIAL AND WORKMANSHIP AS SHOWN ON THE PROJECT.

21. SECURITIES SUPPORT AGREE TO ADEQUATE SUPPORT AS NEEDED. PROVIDE ADDITIONAL SUPPORT AS NEEDED. CONTRACTOR SHALL USE THE SAME MATERIAL AND WORKMANSHIP AS SHOWN ON THE PROJECT.

22. IN THE EVENT OF A CONFLICT WITHIN THE DRAWINGS AND THE OFFICIAL DRAWINGS AND THE CHANGES THEREIN.

MECHANICAL SPECIFICATIONS

1. WORK ALL THE DRAWINGS AND THE OFFICIAL DRAWINGS AND THE CHANGES THEREIN.

2. ELECTRICAL SPECIFICATIONS AND ALL ACCESSORIES

3. PLUMBING SYSTEMS

4. PLUMBING FIXTURES, EQUIPMENT AND PIPING

5. TESTING AND INSPECTION:

1. HVAC UNIT

2. VACUUM CHECK COMPRESSOR

3. SAMPLE S.1.

4. 9 IN X 9 IN TEMPERATURES AT FULL COOLING AND FULL HEATING CONDITIONS

5. 9 IN X 9 IN TEMPERATURES AT FULL COOLING AND FULL HEATING CONDITIONS

6. CONTROLS MUST BE UP TO DATE.

7. TEMPERATURE WILL BE UP TO DATE.

8. INSTALLATION OF THE WORK.

9. TESTING AND INSPECTION:

1. HVAC UNIT

2. VACUUM CHECK COMPRESSOR

3. SAMPLE S.1.

4. 9 IN X 9 IN TEMPERATURES AT FULL COOLING AND FULL HEATING CONDITIONS

5. 9 IN X 9 IN TEMPERATURES AT FULL COOLING AND FULL HEATING CONDITIONS

6. CONTROLS MUST BE UP TO DATE.

7. TEMPERATURE WILL BE UP TO DATE.

8. INSTALLATION OF THE WORK.

9. TESTING AND INSPECTION:

1. HVAC UNIT

2. VACUUM CHECK COMPRESSOR

3. SAMPLE S.1.

4. 9 IN X 9 IN TEMPERATURES AT FULL COOLING AND FULL HEATING CONDITIONS

5. 9 IN X 9 IN TEMPERATURES AT FULL COOLING AND FULL HEATING CONDITIONS

6. CONTROLS MUST BE UP TO DATE.

7. TEMPERATURE WILL BE UP TO DATE.
SHEET NUMBER

WIRING METHODS SERVING ANY PATIENT CARE AREAS SHALL ADHERE TO NEC.

DATE

CIRCUITS.

Project Number

Provide separate green ground wire for all branch and feeder circuits.

Insure continuous bond where flexible conduit is used.

Provide sufficient conduit to accommodate branch circuits.

Provide sufficient conduit to accommodate feeders.

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Provide separate green ground wire for all branch and feeder circuits.

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GENERAL NOTES
1. THESE PLANS ARE DIAGRAMMATIC IN NATURE, INCLUDE APPROPRIATE ALLOWANCES FOR OFFSETS AS REQUIRED TO ACCOMMODATE VERTICAL AND HORIZONTAL VARIATIONS IN THE LOCATIONS AND ELEVATIONS OF DUCTWORK, PIPING, ETC. DUE TO EXISTING CONDITIONS.

2. REMOVE EXISTING SINK, FAUCET, AND CAP ALL PLUMBING SERVICES.

3. REMOVE EXISTING WATER CLOSET, AND CAP ALL PLUMBING SERVICES.

4. REMOVE EXISTING OUTSIDE AIR INTAKE LOUVER; CAP OPENING PER ARCHITECTURAL REQUIREMENTS. OUTSIDE AIR DUCT TO BE REROUTED TO ROOF.

5. EXISTING FURNACE, COOLING COILS, AND RETURN AIR GRILLE TO REMAIN. CLEAN GRILLE, CLEAN DRAIN PAN, CLEAN COILS, REPLACE FILTERS, AND RECHARGE REFRIGERANT. EXISTING FLUE THRU ROOF TO REMAIN.

6. EXISTING CONDENSING UNIT TO REMAIN. CLEAN COILS AND RECHARGE AS REQUIRED. PROVIDE A WRITTEN INSPECTION REPORT ON ENTIRE SPLIT SYSTEM PRIOR TO STARTING WORK.

7. EXISTING DUCT TO BE REMOVED AND CAPPED AT TAP. PROVIDE DUCT INSULATION EQUAL TO EXISTING.

8. PROVIDE ACCESS TO ALL CONCEALED EQUIPMENT. COORDINATE LOCATIONS OF ACCESS PANELS WITH ARCHITECT.

9. PROVIDE ACCESS TO ALL CONCEALED EQUIPMENT. COORDINATE LOCATIONS OF ACCESS PANELS WITH ARCHITECT.

10. PENETRATIONS OF WALLS OR FLOORS FOR THE PASSAGE OF PIPING, DUCTWORK, OR OTHER EQUIPMENT SHALL BE PROPERLY SEALED AFTER INSTALLATION OF ITEMS AND EQUIPMENT. FIELD VERIFY EXISTING WALL PENETRATIONS AND PROPERLY SEAL AS REQUIRED TO MAINTAIN WALL OR FLOOR RATING.

11. PROVIDE ACCESS TO ALL CONCEALED EQUIPMENT. COORDINATE LOCATIONS OF ACCESS PANELS WITH ARCHITECT.

12. PROVIDE ACCESS TO ALL CONCEALED EQUIPMENT. COORDINATE LOCATIONS OF ACCESS PANELS WITH ARCHITECT.

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14. PROVIDE ACCESS TO ALL CONCEALED EQUIPMENT. COORDINATE LOCATIONS OF ACCESS PANELS WITH ARCHITECT.

15. PROVIDE ACCESS TO ALL CONCEALED EQUIPMENT. COORDINATE LOCATIONS OF ACCESS PANELS WITH ARCHITECT.

NOTES BY SYMBOL
- REMOVE EXISTING SINK, FAUCET, AND CAP ALL PLUMBING SERVICES.
- REMOVE EXISTING WATER CLOSET, AND CAP ALL PLUMBING SERVICES.
- PROVIDE DUCT INSULATION EQUAL TO EXISTING.
- PROVIDE ACCESS TO ALL CONCEALED EQUIPMENT. COORDINATE LOCATIONS OF ACCESS PANELS WITH ARCHITECT.
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- PROVIDE ACCESS TO ALL CONCEALED EQUIPMENT. COORDINATE LOCATIONS OF ACCESS PANELS WITH ARCHITECT.
GENERAL NOTES:

1. THESE PLANS ARE DIAGRAMMATIC IN NATURE, INCLUDE APPROPRIATE ALLOWANCES FOR OFFSETS AS REQUIRED TO ACCOMMODATE VERTICAL AND HORIZONTAL VARIATIONS IN THE LOCATIONS AND ELEVATIONS OF DUCTWORK, PIPING, ETC. DUE TO EXISTING CONDITIONS.

2. PIGEONS ARE TO BE VACCINATED FOR THE PREVENTION OF SPANISH TYPHOID, OR OTHER EQUIPMENT MAY BE PROVIDED WHERE INSTALLATION OF SUCH PREVENTIVE MEASURES ARE REQUIRED.

3. PROVIDE ACCESS TO ALL CONCEALED EQUIPMENT. PRIVATE LOCATIONS OF ACCESS PAGES ARE SPECIFIED.

4. ALL CONSTRUCTION DRUMS SHALL BE DISPOSED OF BY CONTRACTOR ALONG WITH RUBBAGE.

5. CONTRACTOR TO VERIFY LOCATION AND SIZE OF EXISTING WATER, SEWER, AND VENT PIPES PRIOR TO THE COMMENCING OF WORK.

6. PROVIDE ROOF CAP. PROVIDE NEW INLINE FAN (SF-1) WITH MOTORIZED DAMPER IN OUTSIDE AIR DUCT. LOCATE FAN IN MECH ROOM. FAN (SF-1) AND MOTORIZED DAMPER SHALL BE INTERLOCKED WITH FURNACE (FAN/DAMPER OFF/CLOSED WHEN FURNACE IS OFF; FAN/DAMPER ON/OPEN WHEN FURNACE IS ON). INCLUDE ALL NECESSARY DUCTWORK, CONTROLS, POWER, ETC. AS REQUIRED.

7. MODIFY THE EXISTING SPRINKLER SYSTEM TO PROVIDE COVERAGE FOR THE NEW VENTILATION SYSTEM AND ACCORDANCE WITH ALL APPLICABLE CODES.

8. ALLOW FOR ALL VARIATIONS OF NEW UNDERGROUND PLUMBING REQUIREMENTS. ADDITIONAL PLUMBING REQUIREMENTS FOR ALL HANDY WORK FROM A COST BUDGETARY STANDPOINT. FUTURE PHASE WILL SHOW ANTICIPATED PIPING REQUIREMENTS.

NOTES BY SYMBOL:

- INSTALL NEW LAV AND FAUCET AT THIS LOCATION; EXTEND PLUMBING SERVICES TO THIS LOCATION AND MAKE CONNECTIONS ACCORDINGLY.

- INSTALL NEW ADA WATER CLOSET AT THIS LOCATION; EXTEND PLUMBING SERVICES TO THIS LOCATION AND MAKE CONNECTIONS ACCORDINGLY.

- INSTALL NEW SINK AND FAUCET AT THIS LOCATION; EXTEND PLUMBING SERVICES TO THIS LOCATION AND MAKE CONNECTIONS ACCORDINGLY.

- LOCATE WH-1 ON SHELF ABOVE MOP SINK.

- EXISTING CONDENSING UNIT TO REMAIN. CLEAN COILS AND RECHARGE AS REQUIRED.

- PROVIDE A WRITTEN INSPECTION REPORT ON ENTIRE SPLIT SYSTEM PRIOR TO STARTING WORK.

- EXTEND EXISTING FURNACE OUTSIDE AIR DUCT (VENTILATION) UP THRU ROOF. MAINTAIN A MINIMUM OF 15'-0" FROM AIR VENTS, FLUE'S, AND EXHAUST OUTLETS.

- PROVIDE ROOF CAP. PROVIDE NEW INLINE FAN (SF-1) WITH MOTORIZED DAMPER IN OUTSIDE AIR DUCT. LOCATE FAN IN MECH ROOM. FAN (SF-1) AND MOTORIZED DAMPER SHALL BE INTERLOCKED WITH FURNACE (FAN/DAMPER OFF/CLOSED WHEN FURNACE IS OFF; FAN/DAMPER ON/OPEN WHEN FURNACE IS ON). INCLUDE ALL NECESSARY DUCTWORK, CONTROLS, POWER, ETC. AS REQUIRED.

- CLEAN AND PAINT ALL EXISTING CEILING AIR DEVICES TO REMAIN. AIR DEVICES TO BE PAINTED SAME COLOR AS NEW DEVICES. (TYPICAL OF 7)

- REBALANCE ALL AIR DEVICES TO NOTED AIR QUANTITIES.

- EXTEND EXISTING DUCT UP THRU ROOF. TERMINATE WITH ROOF CAP.

- MODIFY THE EXISTING SPRINKLER SYSTEM TO PROVIDE COVERAGE FOR THE NEW VENTILATION SYSTEM AND ACCORDANCE WITH ALL APPLICABLE CODES.

- ALLOW FOR ALL VARIATIONS OF NEW UNDERGROUND PLUMBING REQUIREMENTS. ADDITIONAL PLUMBING REQUIREMENTS FOR ALL HANDY WORK FROM A COST BUDGETARY STANDPOINT. FUTURE PHASE WILL SHOW ANTICIPATED PIPING REQUIREMENTS.
1 TRAP PRIMER PIPING DETAIL

2 ELECTRIC WATER HEATER DETAIL

3 TYPICAL FLOOR DRAIN DETAIL

4 CEILING EXHAUST FAN DETAIL

5 DIFFUSER CONNECTION DETAIL

CEILING PERFORATED METAL GRILLE

CEILING EXHAUST FAN MOUNTING BRACKETS SHALL HANGER RODS SUPPORTED FROM STRUCTURE ABOVE BE ADJUSTABLE TO ALLOW FLUSH MOUNTING IN CEILING.

FAN TO BE FURNISHED WITH BACKDRAFT DAMPER.

UNION CONNECTION DISTRIBUTION UNIT (4-WAY MAX.) WALL MTD.

FLOOR DRAIN WITH DEEP SEAL TRAP

1/2" TRAP PRIMER SUPPLY 1/2" TRAP PRIMER LINE DOMESTIC WATER LINE

1/2" TRAP PRIMER ASSEMBLY AND ISOLATION VALVE TO BE ABOVE ACCESSIBLE CEILING OR IF IN WALL PROVIDE STAINLESS STEEL ACCESS PANEL FOR PROPER MAINTENANCE.

T&P RELIEF VALVE WITH FULL SIZE DISCHARGE TO MOP SINK

1-1/2"x1-1/2"x3/16" STEEL ANGLES OR EQUIV. UNISTRUT EXPANSION TANK VACUUM RELIEF VALVE CHECK VALVE (TYP.) BALL VALVE (TYP.) COLD WATER SUPPLY THERMOMETER (TYP.) MIXING VALVE TO MOP SINK

MECHANICAL AND PLUMBING DETAILS

PROJECT NUMBER

DATE

SHEET NUMBER

REV. #     DESCRIPTION

1 2 3 4 5

SHEET TITLE

MP3.00

STONEBRIDGE COMMUNITY CENTER

6201 VIRGINIA PKWY, MCKINNEY, TEXAS 75071

MEZA ENGINEERING, INC.

Texas Registered Engineering Firm F-345
PLUMBING FIXTURE SCHEDULE

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<th>MARK</th>
<th>TYPE</th>
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<tr>
<td>WC-1</td>
<td>WATER CLOSET</td>
<td>TANK TYPE</td>
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<td>MS-1</td>
<td>MOP SINK</td>
<td>152 GRID FACE</td>
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<tr>
<td>FD-1</td>
<td>FLOOR DRAIN</td>
<td>LAVATORY</td>
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PLUMBING RISERS

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<th>SHEET NUMBER</th>
<th>RISERS</th>
<th>SCHEDULES AND DATE</th>
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<tr>
<td>3</td>
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GENERAL NOTES:

1. PROVIDE ALL FIXTURES SHOWN ON EACH DRAWING.
2. PROVIDE INSTALLATION WITHOUT ADDITIONAL COST.
3. PROVIDE ALL FLOOR DRAINS WITH TRAP PRIMERS.
4. CONTRACTOR SHALL PROVIDE AN ISOLATION BALL VALVE ON ALL TRAP PRIMERS.
5. PROVIDE ALL PUMPING FIXTURES MUST CONFORM TO CURRENT WATER CONSERVATION REGULATIONS.
6. PROVIDE FAN WITH MOTORIZED DUCT DAMPER - INTERLOCKED WITH FAN.
7. PROVIDE HANGING VIBRATION ISOLATOR KIT.
8. PROVIDE BACKDRAFT DAMPER.
9. PROVIDE ALL HANDICAPPED ACCESSIBLE PLUMBING FIXTURES MUST CONFORM TO CURRENT TEXAS ACCESSIBILITY STANDARDS.

WATER HEATER SCHEDULE

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<thead>
<tr>
<th>DESIGNATION</th>
<th>LOCATION</th>
<th>TANK CAPACITY</th>
<th>MANUFACTURER</th>
<th>MODELS NO.</th>
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PLUMBING FIXTURE CONNECTION SCHEDULE

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<td>5&quot;</td>
<td>2&quot;</td>
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<tr>
<td>TANK</td>
<td>2&quot;</td>
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<td>D</td>
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<tr>
<td>FLOOR DRAIN</td>
<td>2&quot;</td>
<td>D</td>
<td>D</td>
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</tr>
<tr>
<td>MOP SINK</td>
<td>2&quot;</td>
<td>D</td>
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WATER CLOSET - TANK TYPE

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<tr>
<td>DEEP UNDERMOUNT SINK. DELTA LINDEN 1353-DS, CHROME, AND 2 GPM LAMINAR FLOW SPOUT. MCGUIRE #152 GRID FACE</td>
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<tr>
<td>WH-1</td>
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<tr>
<td>EF-1,2</td>
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FAN SCHEDULE

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<th>CFM</th>
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<td>300</td>
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<td>B 3</td>
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<td>B 4</td>
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PLUMBING FIXTURE SCHEDULE

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<td>TANK TYPE</td>
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<tr>
<td>MS-1</td>
<td>MOP SINK</td>
<td>152 GRID FACE</td>
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<tr>
<td>FD-1</td>
<td>FLOOR DRAIN</td>
<td>LAVATORY</td>
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PLUMBING RISERS

1. PROVIDE ALL FLOOR DRAINS WITH TRAP PRIMERS.
2. PROVIDE INSTALLATION WITHOUT ADDITIONAL COST.
3. PROVIDE ALL FLOOR DRAINS WITH TRAP PRIMERS.
4. PROVIDE ALL PUMPING FIXTURES MUST CONFORM TO CURRENT WATER CONSERVATION REGULATIONS.
5. PROVIDE FAN WITH MOTORIZED DUCT DAMPER - INTERLOCKED WITH FAN.
6. PROVIDE HANGING VIBRATION ISOLATOR KIT.
7. PROVIDE BACKDRAFT DAMPER.
8. PROVIDE ALL HANDICAPPED ACCESSIBLE PLUMBING FIXTURES MUST CONFORM TO CURRENT TEXAS ACCESSIBILITY STANDARDS.
EXISTING HVAC
EXISTING ELEC
STORAGE
COMMUNITY ROOM
FIRE RISER

GENERAL NOTES
1. REFER TO MEP1.01 FOR SYMBOLS AND ABBREVIATIONS.
2. ITEMS SHOWN DASHED OR ITEMS ON WALLS OR CEILINGS THAT ARE TO BE DEMOLISHED ARE TO BE REMOVED. RETAIN EXISTING BRANCH CIRCUITS FOR POTENTIAL REUSE DURING RENOVATION WORK. AS-BUILT DOCUMENTS WERE NOT AVAILABLE FOR USE DURING CONSTRUCTION DOCUMENT PREPARATION; TRACE OUT ALL EXISTING BRANCH CIRCUITS WITHIN PROJECT SCOPE AREA AND PROVIDE LIST OF AVAILABLE BRANCH CIRCUITS TO ARCHITECT/ENGINEER PRIOR TO START OF DEMOLITION OR RENOVATION WORK.
3. PROVIDE TYPEWRITTEN UPDATE FOR PANELBOARD CIRCUIT DIRECTORIES TO REFLECT ALL CHANGES ASSOCIATED WITH THIS PROJECT.
4. WHERE DEVICES HAVE BEEN REMOVED AND EXISTING BRANCH CIRCUITS WILL NOT BE REUSED, REMOVE BRANCH CIRCUIT FROM SOURCE.
5. REFER TO MECHANICAL PLANS FOR OVERALL EQUIPMENT DEMOLITION REQUIREMENTS AND ACCOUNT FOR SUCH WITHIN BID.

NOTE BY SYMBOL
- OPENED
- OPENED
- OPENED

NOTES
EXISTING 120/208V, 200AMP PANEL 'L' TO REMAIN.
ITEMS SHOWN DASHED OR ITEMS ON WALLS OR CEILINGS THAT ARE TO BE DEMOLISHED ARE TO BE REMOVED. RETAIN EXISTING BRANCH CIRCUITS FOR POTENTIAL REUSE DURING RENOVATION WORK. AS-BUILT DOCUMENTS WERE NOT AVAILABLE FOR USE DURING CONSTRUCTION DOCUMENT PREPARATION; TRACE OUT ALL EXISTING BRANCH CIRCUITS WITHIN PROJECT SCOPE AREA AND PROVIDE LIST OF AVAILABLE BRANCH CIRCUITS TO ARCHITECT/ENGINEER PRIOR TO START OF DEMOLITION OR RENOVATION WORK.

EXISTING WALL MOUNTED WET LOCATION RATED SPEAKERS TO BE REMOVED; COORDINATE WITH OWNER'S REPRESENTATIVE FOR DISPOSAL REQUIREMENTS.
EXISTING WIRING DEVICE.
EXISTING LIGHT.
EXISTING CEILING FAN AND RETAIN FOR RELOCATION; REFER TO RENOVATION PLAN FOR NEW LOCATIONS.
WHERE EXISTING DEVICES HAVE BEEN REMOVED, COORDINATE WITH OWNER'S REPRESENTATIVE FOR DISPOSAL REQUIREMENTS AND ACCOUNT FOR ACCORDINGLY WITHIN BID.
WHERE EXISTING DEVICES HAVE BEEN REMOVED, PATCH AND PAINT OPENINGSPER ARCHITECTURAL DOCUMENT REQUIREMENTS.

EXISTING TO REMAIN.
EXISTING TO BE REMOVED.

LEVEL OF DETAIL
- 1
- 2
- 3
- 4
- 5

SHEET NUMBER
- 1
- 2
- 3
- 4

DEMO FLOOR PLAN - POWER & LIGHTING
3/8" = 1'-0"
GENERAL NOTES

1. IMPORTANT SYMBOLS AND INSTRUCTIONS
   a. Symbol types indicate major systems and components. The line-by-line notes
      correspond to the following symbols and components:
      - WH: Working Drawings
      - GFI: Ground Fault Interrupter
      - EM: Electrical Meter
      - EF: Emergency Fixtures
      - WP: Wall Plate
      - SC: Switch Center
      - L: Light Fixture
      - WP: Wall Plate
      - X: Additional information.

2. ALL ELECTRICAL INSTALLATIONS TO BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE (NEC), LOCAL ELECTRICAL CODES, AND CONTRACTOR'S SPECIFICATIONS.

NOTES BY SYMBOL

- LOCATE DEVICES TO SERVE OWNER PROVIDED PROJECTOR. INSTALL AT APPROXIMATELY 9'-6" AFF. CONFIRM FINAL LOCATION REQUIREMENTS WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION AND ACCOMMODATE ACCORDINGLY.

- PROVIDE EMPTY 1 1/2" CONCEALED BOXES FOR PROJECTOR INPUT CABLING REQUIREMENTS.

- MATCH COLOR OF EXISTING WIRING DEVICES AND COVERPLATES FOR NEW DEVICES; COORDINATE FINAL COLOR OF ALL NEW DEVICES WITH ARCHITECT.

- ALL ELECTRICAL OUTLETS TO REMAIN.

- POWER SUPPLY TO OWNER PROVIDED OVERHEAD MOTORIZED PROJECTOR SCREEN; CONFIRM FINAL LOCATION REQUIREMENTS WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION AND ACCOMMODATE ACCORDINGLY.

- LOCATE DEVICES IN MILLWORK; COORDINATE FINAL LOCATIONS WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION AND ACCOMMODATE ACCORDINGLY.

- INSTALL 1P20AMP CIRCUIT BREAKER IN AVAILABLE SPACE OF EXISTING 120/208V PANEL 'L'; MAKE CONNECTION WITH 2#12, #12G, 3/4" CONDUIT.

- CONNECT NEW LIGHTS, CEILING FANS, AND EXHAUST FANS TO 120V, 20AMP BRANCH CIRCUITS RETAINED FROM DEMOLITION. BALANCE LOAD ON AVAILABLE CIRCUITS, AND SWITCH / CONTROL AS INDICATED.

- CONNECT NEW EXIT LIGHTS AND NEW EGRESS LIGHTS TO SAME LIGHTING BRANCH CIRCUITS AS EXISTING EGRESS LIGHTS. INSTALL IN ACCORDANCE WITH CONTRACTOR'S SPECIFICATIONS.

- INTERLOCK INLINE FAN SF-1 WITH HVAC UNIT SUCH THAT WHEN THE HVAC UNIT IS ENERGIZED SF-1 IS ALSO ENERGIZED.

- PROVIDE SEPARATE 3-SPEED SWITCH FOR CONTROL FOR EACH CEILING FAN PER MANUFACTURER'S REQUIREMENTS; LOCATE AT WALL NEAR LIGHT SWITCHES.

- CONNECT EXTERIOR LIGHT FIXTURES TO BRANCH CIRCUIT PREVIOUSLY SERVING REMOVED EXTERIOR LIGHT FIXTURES. CONTROL BRANCH CIRCUIT SERVING EXTERIOR LIGHT FIXTURES VIA PHOTOCELL AND/OR TIMECLOCK. CONNECT EGRESS PORTION OF ANY EXTERIOR LIGHT FIXTURES AHEAD OF ANY SWITCHING (SEE GENERAL NOTE 7 ABOVE).

- PROVIDE ADDITIONAL CABLING FOR TESTING, BALANCE LOAD ON AVAILABLE CIRCUITS, AND SWITCH / CONTROL AS INDICATED.

- INSTALL ADDITIONAL CABLING AND DEVICE BOXES AS NEEDED FOR ADDITIONAL DEVICES.

- INSTALL ADDITIONAL CABLING AND DEVICE BOXES AS NEEDED FOR ADDITIONAL DEVICES.
### LIGHTING FIXTURE SCHEDULE

| A | DMF LIGHTING | DRDHNIC6-DRD2M10935-DRD2TR6SWH | LED, 14.7W | 120V | RECESSED | RECESSED LED DOWNLIGHT; SUITABLE FOR RECESSED MOUNTING IN INSULATED ATTIC AREA. WHERE FIXTURE IS INSTALLED AT SLOPED CEILING AREA PROVIDE WITH SLOPED FRAME AND TRIM KIT. |
| B | DMF LIGHTING | DRDHNIC6-DRD2M7935-DRD2TR6SWH | LED, 11.8W | 120V | RECESSED | RECESSED LED DOWNLIGHT; SUITABLE FOR RECESSED MOUNTING IN INSULATED ATTIC AREA. |
| C | TBD | TBD | TBD | 60W MAXIMUM | 120V | SURFACE | WALL MOUNTED DECORATIVE LIGHT FIXTURE, BRONZE FINISH; CHOSEN BY ARCHITECT AND OWNER'S VENDOR. |
| D | ASL LIGHTING | BSV-LED-12.5-DV-3500-FBZ-EMG | LED 12.5W | 120V | SURFACE | WALL MOUNTED, WET LOCATION RATED LIGHT FIXTURE, WITH INTEGRAL BATTERY PACK AND CHARGER. COORDINATE FINAL MOUNTING LOCATION WITH ARCHITECT. |
| E | LITHONIA | OLWX1-LED-20W-4000K | LED, 22W | 120V | SURFACE | WALL MOUNTED, WET LOCATION RATED LIGHT FIXTURE, WITH INTEGRAL BATTERY PACK AND CHARGER. COORDINATE FINAL MOUNTING LOCATION WITH ARCHITECT. |
| EM | LITHONIA | AFN DB FWD | LED, 10.8W | 120V | SURFACE | SURFACE MOUNTED EMERGENCY EGRESS LIGHT FIXTURE WITH INTEGRAL BATTERY PACK AND CHARGER, DARK BRONZE FINISH. |
| UC | LITHONIA | 2UC-117-MVOLT-LP-GEB10IS | 1-LAMP, 17W (24") | 120V | SURFACE | UNDER COUNTER FLUORESCENT LIGHT FIXTURE; COORDINATE FINAL MOUNTING LOCATION WITH ARCHITECT PRIOR TO INSTALLATION. |
| X | LITHONIA | LQM S W 3 R 120/277 ELN SD | LED, 1W | 120V | UNIVERSAL | LED UNIVERSAL MOUNT EXIT SIGN WITH NICKEL CADMIUM BATTERY AND INTEGRAL CHARGER, SELF DIAGNOSTIC TEST. |

- E3.00
- PROJECT NUMBER
- DATE
- SHEET TITLE
- SHEET NUMBER
- 6021 VIRGINIA Pkwy, Mckinney, Texas 75071

NOTE:
1. WHERE RECESSED LIGHT FIXTURES ARE INSTALLED IN GYPBOARD CEILING AREAS PROVIDE LIGHT FIXTURES WITH FLANGE KIT PER MANUFACTURER'S REQUIREMENT.